

## ABSTRACT

The present invention relates to a therapeutic agent or prophylactic agent for a disease requiring regulation of cytokine production, a disease requiring nitrogen monoxide production, or an allergic disease, characterized in that the therapeutic agent or prophylactic agent comprises as an effective ingredient a fucoidan and/or a degradation product thereof; and a food, beverage or feed for regulation of cytokine production, induction of nitrogen monoxide production, or anti-allergy, wherein the food, beverage or feed comprises a fucoidan and/or a degradation product thereof.